

J2210

High Density Polyethylene

Description

Good stiffness & Impact strength

Application

Silicon cartridge, House wares

Properties

| Physical | Testing methods | Nominal values | |
|--|-----------------|--------------------|-------------|
| Density | ASTM D 1505 | g/cm ³ | 0.958-0.962 |
| Melt Flow Rate | ASTM D 1238 | g/10min | 7.0-8.0 |
| Mechanical | | | |
| Tensile Strength at Yield (min.) | ASTM D 638 | kg/cm ² | 220 |
| Elongation at Break (min.) | ASTM D 638 | % | 300 |
| Flexural Modulus (min.) | ASTM D790 | kg/cm ² | 11,000 |
| Impact | | | |
| Izod Impact Strength (23 ⁰ C) (min.) | ASTM D256 | kg cm/cm | 4 |
| Thermal | | | |
| Vicat Softening Point (min.) | ASTM D1525 | ⁰ C | 122 |
| Heat distortion temperature (4.6 kg/cm ²) (min.) | ASTM D648 | ⁰ C | 72 |
| Additional properties | | | |
| Rockwell Hardness (min.) | ASTM D785 | R | 50 |
| Environmental Stress Cracking Resistance (F50) (min.) | ASTM D1693 | hr | 6 |

Note: Above data is based on information provided by Licensor and it is not to be construed as specification.